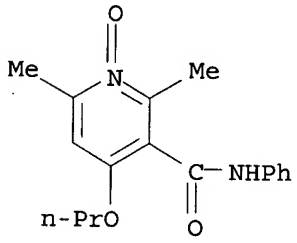
postemergence, showed 100% control of Echinochloa crus-galli, Setaria viridis, and Portulaca oleracea, and no damage to corn, whereas the components by themselves were less effective. A wettable powder was formulated contg. I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0) 20, III 20, talc 40, bentonite 15, Sorpol-9047 2, and Sorpol-5039 3 wt. parts.

AN 1988:488184 CAPLUS
DN 109:88184
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridine-3-carboxamide derivatives, for corn
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63017813	A2	19880125	JP 1986-159730	19860709
PRAI JP 1986-159730		19860709		

OS MARPAT 109:88184
IT **110727-39-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as component for wide-spectrum synergistic herbicidal compns.)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



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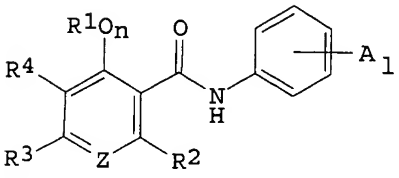


I

AB Herbicidal compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl,

cycloalkyl, (substituted) aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = halo-, alkoxy-, or cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H; when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH2, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, NO] and a second herbicide, are described. The second herbicide is at least one of (1) 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid (II), (2) 3-isopropyl-2,1,3-benzothiadiazin-4-one 2,2-dioxide, (3) 3-(3,4-dichlorophenyl)-1,1-dimethylurea, (4) 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea, (5) 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5-one, (6) Me 3-(1-allyloxyaminobutylidene)-6,6-dimethyl-2,4-dioxocyclohexanecarboxylate Na salt, (7) (.+-.)-2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexene-1-one (III), (8) 2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionic acid, (9) Bu 2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate, (10) Me 2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate, (11) Me 2-[4-(2,4-dichlorophenoxy)phenoxy]propionate, (12) iso-Bu 2-[4-(4-chlorophenoxy)phenoxy]propionate, (13) Me 2-[4-(4-trifluoromethylphenoxy)phenoxy]propionate, (14) 2-chloro-2',6'-diethyl-N-(methoxyethyl)acetanilide, (15) 2-ethyl-6-methyl-N-(3-methoxy-2-propyl)chloroacetanilide, and (16) Et N-chloroacetyl-N-(2,6-diethylphenyl)glycinate. The compns. are esp. useful for soybean. A mixt. contg. 10 g/are I (R1 = Pr, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0, Z = N) and 5 g II/are, applied postemergence, showed 100% control of Digitaria saguinalis, Setaria viridis, and Portulaca oleracea, 70-100% control of Echinochloa crus-galli and Chenopodium album and no damage to soybeans, whereas the components by themselves were less effective. A wettable powder was formulated contg. I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0) 20, III 20, talc 40, bentonite 15, Sorpol-9047 2, and Sorpol-5039 3 wt. parts.

AN 1988:468852 CAPLUS
DN 109:68852
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridinecarboxamide derivatives, for soybeans
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

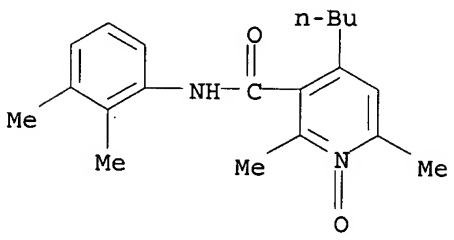
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63017811	A2	19880125	JP 1986-159728	19860709
PRAI	JP 1986-159728		19860709		

OS MARPAT 109:68852
IT **115454-58-5**
RL: BIOL (Biological study)
(herbicide compn. contg., synergistic, for soybean)
RN 115454-58-5 CAPLUS
CN 3-Pyridinecarboxamide, 4-butyl-N-(2,3-dimethylphenyl)-2,6-dimethyl-, 1-oxide, mixt. with N'-(3,4-dichlorophenyl)-N,N-dimethylurea (9CI) (CA INDEX NAME)

CM 1

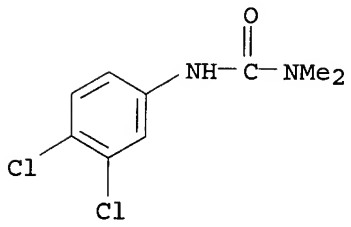
CRN 115429-55-5

CMF C20 H26 N2 O2



CM 2

CRN 330-54-1
CMF C9 H10 Cl2 N2 O



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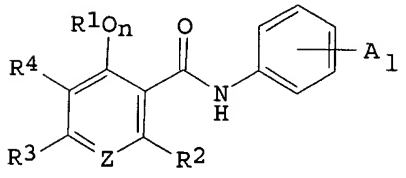

I

AB Herbicidal compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = halo-, alkoxy-, or cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H, and when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH2, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, NO] and at least one of (1) 2-chloro-2',6'-diethyl-N-methoxymethylacetanilide (I), (2) .alpha.,.alpha.,.alpha.-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine, (3) 3,5-dinitro-N4,N4-sulfanylamide, (4) N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitroaniline, (5) 1,1-dimethyl-3-(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl)urea, (6) 3-(3,4-dichlorophenyl)-1,1-dimethylurea, and (7) 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea (III), particularly useful for cotton, are described. A mixt. contg. 10 g/are I (R1 = Pr, R2 = R3 =